Journal of Atmospheric Chemistry (2007) 56

Contents of Volume 56

Volume 56 No. 1 January 2007

FRANK DREWNICK, JOHANNES SCHNEIDER, SILKE S. HINGS, NELE HOCK, KEVIN NOONE, ADMIR TARGINO, SILKE WEIMER and STEPHAN BORRMANN / Measurement of Ambient, Interstitial, and Residual Aerosol Particles on a Mountaintop Site in Central Sweden using an Aerosol Mass Spectrometer and a CVI 1–20

STELLA M. RESENDE / The Atmospheric Oxidation of the HS Radical: Reaction with NO_2 21–32

N. CARRASCO, J. F. DOUSSIN, M. O'CONNOR, J. C. WENGER, B. PICQUET-VARRAULT, R. DURAND-JOLIBOIS and P. CARLIER / Simulation Chamber Studies of the Atmospheric Oxidation of 2-Methyl-3-Buten-2-ol: Reaction with Hydroxyl Radicals and Ozone Under a Variety of Conditions 33–55

EMILIE PERRAUDIN, HÉLÈNE BUDZINSKI and ERIC VILLENAVE / Kinetic Study of the Reactions of Ozone with Polycyclic Aromatic Hydrocarbons Adsorbed on Atmospheric Model Particles 57–82

B. DEMIRDJIAN, D. FERRY, J. SUZANNE, O. B. POPOVICHEVA, N. M. PERSIANTSEVA and N. K. SHONIJA / Heterogeneities in the Microstructure and Composition of Aircraft Engine Combustor Soot: Impact on the Water Uptake 83–103

Volume 56 No. 2 March 2007

X. TIE, S. CHANDRA, J. R. ZIEMKE, C. GRANIER and G. P. BRASSEUR / Satellite Measurements of Tropospheric Column O_3 and NO_2 in Eastern and Southeastern Asia: Comparison with a Global Model (MOZART-2) 105–125

Y. N. SAMSONOV / Physicochemical Transformation and Photochemical Reactions in High-Disperse Substance State: Chemical Decomposition in Aerosols and Thin Films Made from Pesticide Fipronil (Adonis) 127–147

N. RASTOGI and M. M. SARIN / Chemistry of Precipitation Events and Inter-Relationship with Ambient Aerosols over a Semi-Arid Region in Western India 149–163

JOSE D. FUENTES, DANIEL WANG, DAVE R. BOWLING, MARK POTOSNAK, RUSSELL K. MONSON, WENDY S. GOLIFF and WILLIAM R. STOCKWELL / Biogenic Hydrocarbon Chemistry within and Above a Mixed Deciduous Forest 165–185

ERIC SCHLOSSER, BIRGER BOHN, THEO BRAUERS, HANS-PETER DORN, HENDRIK FUCHS, ROLF HÄSELER, ANDREAS HOFZUMAHAUS, FRANK HOLLAND, FRANZ ROHRER, LUTZ OLAF RUPP, MANFRED SIESE, RALF TILLMANN and ANDREAS WAHNER / Intercomparison of Two Hydroxyl Radical Measurement Techniques at the Atmosphere Simulation Chamber SAPHIR 187–205

PETER WARNECK / Dwayne E. Heard: Analytical Techniques for Atmospheric Measurement 207–209

Volume 56 No. 3 April 2007

A. SMEKENS, R. H. M. GODOI, M. VERVOORT, P. VAN ESPEN, S. S. POTGIETER-VERMAAK and R. VAN GRIEKEN / Characterization of Individual Soot Aggregates from Different Sources using Image Analysis 211–223

H. EVANGELISTA, J. MALDONADO, R. H. M. GODOI, E. B. PEREIRA, D. KOCH, K. TANIZAKI-FONSECA, R. VAN GRIEKEN, M. SAMPAIO, A. SETZER, A. ALENCAR and S. C. GONÇALVES / Sources and Transport of Urban and Biomass Burning Aerosol Black Carbon at the South–West Atlantic Coast 225–238

MUSTAFA KOÇAK, NILGUN KUBILAY, BARAK HERUT and MALCOLM NIMMO / Trace Metal Solid State Speciation in Aerosols of the Northern Levantine Basin, East Mediterranean 239–257

TRUDI A. SEMENIUK, MATTHEW E. WISE, SCOT T. MARTIN, LYNN M. RUSSELL and PETER R. BUSECK / Hygroscopic behavior of aerosol particles from biomass fires using environmental transmission electron microscopy 259–273

REBECCA S. ANDERSON, LIN HUANG, RICHARD IANNONE and JOCHEN RUDOLPH / Laboratory measurements of the $^{12}C/^{13}C$ kinetic isotope effects in the gas-phase reactions of unsaturated hydrocarbons with Cl atoms at 298±3 K 275–291

HIDEKI NARA, SAKAE TOYODA and NAOHIRO YOSHIDA / Measurements of stable carbon isotopic composition of ethane and propane over the western North Pacific and eastern Indian Ocean: A useful indicator of atmospheric transport process 293–314